LL7420D1

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7420D1 resin is a linear low density polyethylene with butene comonomers, with low content of slip and antiblock. This grade offers an outstanding excellent draw down in blown film processing. Films extruded from InnoPlus LL7420D1 have high tensile strength, gloss and good toughness properties. It can be used for blending with other polyethylene types, such as HDPE and LDPE.

Typical Applications : InnoPlus LL7420D1 is recommended for producing the liners, industrial bags, refuse sacks and garbage bags.

Typical Properties :

Properties	InnoPlus LL7420D1	Unit	Test Method
Physical Properties			
Melt Index (190 °C, 2.16 kg)	2.0	g/10 min	ASTM D1238
Density	0.920	g/cm^3	ASTM D792
Melting Point	121	°C	ASTM D3418
Vicat Softening Point	97	°C	ASTM D1525
*Film Properties**			
Tensile Strength at Break (MD/TD)	31 / 23	MPa	ASTM D882
Elongation at Break (MD/TD)	600 / 800	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	195 / 250	MPa	ASTM D882
Dart Impact Strength	85	g	ASTM D1709
Tear Strength (MD/TD)	100 / 300	g	ASTM D1922
Haze	16	%	ASTM D1003
Gloss (45°)	50	-	ASTM D2457
** film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2*			

Processing Condition :

The recommended temperature setting is in the range of 160 - 180 °C for extruder and 170 - 190 °C for die zone.

Note : Properties reported here are typical values of the product, not to be considered as specifications.
PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.

PTT Polymer Marketing Company Limited
Energy Complex Building A, 9th Floor, 555/1 Vibhavadi Rangsit Road, Chatuchak, Bangkok 10900 Tel: 66 2140 4488 Fax: 66 2140 4333

Revised Date : Oct, 2015